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Attorney Docket No. 0101957-00139

CLAIMS AS AMENDED

1. (Currently Amended) A method comprising:
rendering a hypertext document including emitting program code for mapping input field names in the hypertext document to software component properties when the hypertext document is rendered, a software component being a server-based component that uses data from the input field for processing;
providing the rendered hypertext document to a user;
receiving from the user input field data entered in a named input field;
determining from the mapping a software component property mapped to the named input field; and
calling the software component for processing the input field data, the mapping being done such that the software component can process the input field data regardless of the spelling of the name of the input field in the hypertext document; and
converting the submitted input field data to a correct data type.
2. (Original) The method of claim 1, wherein the rendering includes emitting hypertext form tags with a current value of an input field pre-filled in.
3. (Original) The method of claim 1, wherein the mapping includes encoding the hypertext input form with a unique name and registering the name.
4. (Original) The method of claim 3, wherein the receiving includes determining if the user submitted input field data is from a hypertext input form and bypassing input field processing if the determination cannot be made.
- 5-9. (Cancelled)
10. (Original) The method of claim 1, wherein the determining includes iteratively processing input names associated with a component property to determine if data associated with any of the input names has been entered.

Attorney Docket No. 0101957-00139

11. (Original) The method of claim 10, wherein the determining includes processing in order of priority stored with the mapping of the input field names.

12. (Currently Amended) A web server system embodied in a computer readable medium comprising:

a preprocessor for generating program code to register mappings between hypertext input field names and software component properties and to emit hypertext form tags, the software component being a server-based component that uses data from the input field for processing;

a name-space manager for registering the mappings; and

a data handler, responsive to input data submitted by a user with an input field name, for using the mappings in the name-space manager to associate the input field names with the appropriate component properties, and for calling the software component to process the input data, the mapping allowing the software component to process the entered data regardless of the name of the input field in the hypertext document, wherein the data handler converts the submitted input data to a correct data type.

13. (Cancelled)

14. (Original) The system of claim 12, wherein the name-space manager includes a table for mapping a form to input fields, and for mapping input fields to a component property.

15. (Original) The system of claim 12, wherein the name-space manager includes a table for mapping a form to input fields, and for mapping input fields to a priority that determines the order in which the data handler processes the input field mappings.

16-17. (Cancelled)

18. (New) A web server system comprising:

a computer system including a storage device for storing information from which hypertext documents are created;

a preprocessor coupled to the storage device for generating program code to register mappings between hypertext input field names and software component properties and to emit

Attorney Docket No. 0101957-00139

hypertext form tags, the software component being a server-based component that uses data from the input field for processing;

a name-space manager for registering the mappings; and

a data handler, responsive to input data submitted by a user with an input field name, for using the mappings in the name-space manager to associate the input field names with the appropriate component properties, and for calling the software component to process the input data, the mapping allowing the software component to process the entered data regardless of the name of the input field in the hypertext document, wherein the data handler converts the submitted input data to a correct data type.

19. (New) The system of claim 18, wherein the name-space manager includes a table for mapping a form to input fields, and for mapping input fields to a component property.

20. (New) The system of claim 18, wherein the name-space manager includes a table for mapping a form to input fields, and for mapping input fields to a priority that determines the order in which the data handler processes the input field mapping